PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/061,417

DATE: 04/23/98
TIME: 15:39:23

INPUT SET: S25265.raw

OIPE #3

1652

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> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

```
 1                                    SEQUENCE LISTING
 2
 3    (1)    General Information:
 4
 5       (i) APPLICANT: Olson, Eric N.
 6                      Grant, Stephen R.
 7                      Molkentin, Jeffrey D.
 8
 9      (ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THERAPEUTIC
10              INTERVENTION IN CARDIAC HYPERTROPHY
11
12     (iii) NUMBER OF SEQUENCES: 9
13
14      (iv) CORRESPONDENCE ADDRESS:
15           (A) ADDRESSEE: Arnold, White & Durkee
16           (B) STREET: P.O. Box 4433
17           (C) CITY: Houston
18           (D) STATE: Texas
19           (E) COUNTRY: USA
20           (F) ZIP: 77210
21
22       (v) COMPUTER READABLE FORM:
23           (A) MEDIUM TYPE: Floppy disk
24           (B) COMPUTER: IBM PC compatible
25           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
27
28      (vi) CURRENT APPLICATION DATA:
29           (A) APPLICATION NUMBER: US Unknown
30           (B) FILING DATE:
31           (C) CLASSIFICATION: Unknown
32
33    (viii) ATTORNEY/AGENT INFORMATION:
34           (A) NAME: McMillian, Nabeela R.
35           (B) REGISTRATION NUMBER: P-43,363
36           (C) REFERENCE/DOCKET NUMBER: UTSD:548
37
38      (ix) TELECOMMUNICATION INFORMATION:
39           (A) TELEPHONE: 512/418-3000
40           (B) TELEFAX: 512/474-7577
41
42
43   (2) INFORMATION FOR SEQ ID NO:1:
44
45       (i) SEQUENCE CHARACTERISTICS:
46           (A) LENGTH: 23 base pairs
```

```
47                (B) TYPE: nucleic acid
48                (C) STRANDEDNESS: single
49                (D) TOPOLOGY: linear
50
51          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
52
53   CTATCCTTTT GTTTTCCATC CTG                                  23
54
55
56   (2) INFORMATION FOR SEQ ID NO:2:
57
58          (i) SEQUENCE CHARACTERISTICS:
59                (A) LENGTH: 23 base pairs
60                (B) TYPE: nucleic acid
61                (C) STRANDEDNESS: single
62                (D) TOPOLOGY: linear
63
64          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
65
66   TCCCTGCCTT TTCCAGCAAC GGT                                  23
67
68
69   (2) INFORMATION FOR SEQ ID NO:3:
70
71          (i) SEQUENCE CHARACTERISTICS:
72                (A) LENGTH: 23 base pairs
73                (B) TYPE: nucleic acid
74                (C) STRANDEDNESS: single
75                (D) TOPOLOGY: linear
76
77          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
78
79   GCTCCAGGAT AAAAGGCCAC GGT                                  23
80
81
82   (2) INFORMATION FOR SEQ ID NO:4:
83
84          (i) SEQUENCE CHARACTERISTICS:
85                (A) LENGTH: 23 base pairs
86                (B) TYPE: nucleic acid
87                (C) STRANDEDNESS: single
88                (D) TOPOLOGY: linear
89
90          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
91
92   TACATTGGAA AATTTTATTA CAC                                  23
93
94
95   (2) INFORMATION FOR SEQ ID NO:5:
96
97          (i) SEQUENCE CHARACTERISTICS:
98                (A) LENGTH: 10 base pairs
99                (B) TYPE: nucleic acid
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INPUT SET: S25265.raw

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100              (C) STRANDEDNESS: single
101              (D) TOPOLOGY: linear
102
103         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
104
105    TGGAAAACAA                                                            10
106
107
108    (2) INFORMATION FOR SEQ ID NO:6:
109
110         (i) SEQUENCE CHARACTERISTICS:
111              (A) LENGTH: 10 base pairs
112              (B) TYPE: nucleic acid
113              (C) STRANDEDNESS: single
114              (D) TOPOLOGY: linear
115
116         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
117
118    TGGAAAAGGC                                                            10
119
120
121    (2) INFORMATION FOR SEQ ID NO:7:
122
123         (i) SEQUENCE CHARACTERISTICS:
124              (A) LENGTH: 10 base pairs
125              (B) TYPE: nucleic acid
126              (C) STRANDEDNESS: single
127              (D) TOPOLOGY: linear
128
129         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
130
131    AGGATAAAAG                                                            10
132
133
134    (2) INFORMATION FOR SEQ ID NO:8:
135
136         (i) SEQUENCE CHARACTERISTICS:
137              (A) LENGTH: 902 amino acids
138              (B) TYPE: amino acid
139              (C) STRANDEDNESS:
140              (D) TOPOLOGY: linear
141
142         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
143
144         Met Gly Ala Ala Ser Cys Glu Asp Glu Glu Leu Glu Phe Leu Leu Val
145         1               5                   10                  15
146
147         Phe Gly Glu Glu Leu Glu Ala Pro Pro Leu Gly Ala Gly Gly Leu Gly
148                     20                  25                  30
149
150         Glu Glu Leu Asp Ser Glu Asp Ala Pro Pro Cys Cys Arg Leu Ala Leu
151                     35                  40                  45
152
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/061,417*

INPUT SET: S25265.raw

```
153    Gly Glu Pro Pro Pro Tyr Gly Ala Ala Pro Ile Gly Ile Pro Arg Pro
154        50              55              60
155
156    Pro Pro Pro Arg Pro Gly Met His Ser Pro Pro Pro Arg Pro Ala Pro
157    65              70              75              80
158
159    Ser Pro Gly Thr Trp Glu Ser Gln Pro Ala Arg Ser Val Arg Leu Gly
160                85              90                  95
161
162    Gly Pro Gly Gly Gly Ala Gly Gly Ala Gly Gly Gly Arg Val Leu Glu
163                100             105             110
164
165    Cys Pro Ser Ile Arg Ile Thr Ser Ile Ser Pro Thr Pro Glu Pro Pro
166            115             120             125
167
168    Ala Ala Leu Glu Asp Asn Pro Asp Ala Trp Gly Asp Gly Ser Pro Arg
169        130             135             140
170
171    Asp Tyr Pro Pro Pro Glu Gly Phe Gly Gly Tyr Arg Glu Ala Gly Ala
172    145             150             155             160
173
174    Gln Gly Gly Gly Ala Phe Phe Ser Pro Ser Pro Gly Ser Ser Ser Leu
175                165             170             175
176
177    Ser Ser Trp Ser Phe Phe Ser Asp Ala Ser Asp Glu Ala Ala Leu Tyr
178            180             185             190
179
180    Ala Ala Cys Asp Glu Val Glu Ser Glu Leu Asn Glu Ala Ala Ser Arg
181        195             200             205
182
183    Phe Gly Leu Gly Ser Pro Leu Pro Ser Pro Arg Ala Ser Pro Arg Pro
184        210             215             220
185
186    Trp Thr Pro Glu Asp Pro Trp Ser Leu Tyr Gly Pro Ser Pro Gly Gly
187    225             230             235             240
188
189    Arg Gly Pro Glu Asp Ser Trp Leu Leu Leu Ser Ala Pro Gly Pro Thr
190                245             250             255
191
192    Pro Ala Ser Pro Arg Pro Ala Ser Pro Cys Gly Leu Arg Arg Tyr Ser
193                260             265             270
194
195    Ser Ser Gly Thr Pro Ser Ser Ala Ser Pro Ala Leu Ser Arg Arg Gly
196            275             280             285
197
198    Ser Leu Gly Glu Glu Gly Ser Glu Pro Pro Pro Pro Pro Pro Leu Pro
199        290             295             300
200
201    Leu Ala Arg Asp Pro Gly Ser Pro Gly Pro Phe Asp Tyr Val Gly Ala
202    305             310             315             320
203
204    Pro Pro Ala Glu Ser Ile Pro Gln Leu Thr Arg Arg Thr Ser Ser Glu
205                325             330             335
```

INPUT SET: S25265.raw

```
206
207   Gln Ala Val Ala Leu Pro Arg Ser Glu Glu Pro Ala Ser Cys Asn Gly
208           340             345             350
209
210   Leu Leu Pro Leu Gly Ala Glu Glu Ser Val Ala Pro Pro Gly Gly Ser
211           355             360             365
212
213   Arg Lys Glu Val Ala Gly Met Asp Tyr Leu Ala Val Pro Ser Pro Leu
214       370             375             380
215
216   Ala Trp Ser Leu Ala Arg Ile Gly Gly His Ser Pro Ile Phe Arg Thr
217   385             390             395             400
218
219   Ser Ala Leu Pro Pro Leu Asp Trp Pro Leu Pro Ser Gln Tyr Glu Gln
220           405             410                 415
221
222   Leu Glu Leu Arg Ile Glu Val Gln Pro Arg Ala His His Arg Ala His
223           420             425             430
224
225   Tyr Glu Thr Glu Gly Ser Arg Gly Ala Val Leu Ala Ala Pro Gly Gly
226       435             440             445
227
228   His Pro Val Val Leu Leu Leu Gly Tyr Ser Glu Leu Pro Leu Thr Leu
229       450             455             460
230
231   Gln Met Phe Ile Gly Thr Ala Asp Glu Arg Asn Leu Arg Pro His Ala
232   465             470             475             480
233
234   Phe Tyr Gln Val His Arg Ile Thr Gly Leu Met Val Ala Thr Ala Ser
235           485             490             495
236
237   Tyr Glu Ala Val Val Ser Gly Thr Leu Val Leu Glu Met Thr Leu Leu
238           500             505             510
239
240   Pro Glu Asn Asn Met Ala Ala Asn Ile Asp Cys Ala Gly Ile Leu Leu
241       515             520             525
242
243   Leu Arg Asn Ser Asp Ile Glu Leu Arg Lys Gly Glu Thr Asp Ile Gly
244       530             535             540
245
246   Arg Lys Asn Thr Arg Val Arg Leu Val Phe Arg Val His Val Pro Gln
247   545             550             555             560
248
249   Gly Gly Gly Leu Val Val Ser Val Gln Ala Ala Ser Val Pro Ile Glu
250           565             570             575
251
252   Cys Ser Gln Arg Ser Ala Gln Glu Leu Pro Gln Val Glu Ala Tyr Ser
253           580             585             590
254
255   Pro Ser Ala Cys Ser Val Arg Gly Gly Glu Glu Leu Val Leu Thr Gly
256           595             600             605
257
258   Ser Asn Phe Leu Pro Asp Ser Leu Val Val Phe Ile Glu Arg Gly Pro
```

Line	Error	Original Text
29	Wrong application Serial Number	(A) APPLICATION NUMBER: US Unknown
31	Wrong Classification	(C) CLASSIFICATION: Unknown